

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'CAPLUS' AT 11:10:00 ON 12 DEC 2003
FILE 'CAPLUS' ENTERED AT 11:10:00 ON 12 DEC 2003

=> D HIS

(FILE 'HOME' ENTERED AT 10:51:09 ON 12 DEC 2003)

FILE 'CAPLUS' ENTERED AT 10:51:17 ON 12 DEC 2003

L1 2 S TRYROSINE
L2 24410 S TYR
L3 212344 S KINASE
L4 129747 S TYROSINE
L5 41202 S (L2,L4) AND L3
L6 97 S CONSENSUS
E CONSENSUS
L7 26944 S CONSENSUS
L8 484 S L7 AND L5
E JAENISH/AU
E JAEN/AU
L9 297 S E223-E225
L10 0 S L9 AND L8
L11 1 S L9 AND L5

=> D CBIB ABS

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
2000:110010 Document No. 132:274731 Ischemic brain damage in mice after
selectively modifying BDNF or NT4 gene expression. Endres, Matthias; Fan,
Guoping; Hirt, Lorenz; Fujii, Masazumi; Matsushita, Kohji; Liu, Xin;
Jaenisch, Rudolf ; Moskowitz, Michael A. (Stroke and Neurovascular
Regulation Laboratory, Harvard Medical School, Boston, MA, USA). Journal
of Cerebral Blood Flow and Metabolism, 20(1), 139-144 (English) 2000.
CODEN: JCBMDN. ISSN: 0271-678X. Publisher: Lippincott Williams &
Wilkins.

AB The neurotrophins and the ***tyrosine*** ***kinase*** (Trk) B
receptor may play a protective role in the pathophysiol. of cerebral
ischemia. In this study, the authors investigated whether reducing
endogenous expression of TrkB-binding neurotrophins modifies the
susceptibility to ischemic injury after 1-h middle cerebral artery
occlusion followed by 23 h of reperfusion in a filament middle cerebral
artery occlusion model. Mice lacking both alleles for neurotrophin-4
(nt4-/-) or deficient in a single allele for brain-derived neurotrophic
factor (bdnf+/-) exhibited larger cerebral infarcts compared to wild-type
inbred 129/SVjae mice (68% and 91%, resp., compared to controls).
Moreover, lesions were larger (21%) in nt4-/- mice after permanent middle
cerebral artery occlusion. Hence, expression of both NT4 and BDNF, and by
inference the TrkB receptor, confers resistance to ischemic injury.

=> S L4(2A)L3

L12 33559 L4(2A)L3

=> S (L2,L4) (2A)L3

L13 33750 ((L2 OR L4)) (2A)L3

=> S L13/TI

1275 TYR/TI
11 TYRS/TI
1286 TYR/TI
((TYR OR TYRS)/TI)
28130 TYROSINE/TI
244 TYROSINES/TI
28346 TYROSINE/TI
((TYROSINE OR TYROSINES)/TI)
71739 KINASE/TI
8421 KINASES/TI
79250 KINASE/TI
((KINASE OR KINASES)/TI)
L14 8441 (((TYR/TI) OR (TYROSINE/TI))) (2A) (KINASE/TI))